

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0528082270

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 22 Circuits, Lead-free

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

52808Series

Agency Certification

UL

E29179

General

Product Family

Series

Overview

Product Name

FFC/FPC Connectors

52808

ffc_fpc_smt

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Contact Position

Durability (mating cycles max)

Entry Angle

Flammability

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire/Cable Type

22

22

Natural

N/A

10

N/A

94V-0

0.199 In

5.05 mm

Phosphor Bronze

Tin-Bismuth

Tin-Bismuth

High Temperature Thermoplastic

1

Vertical

No

None

Embossed Tape on Reel

0.039 In

1.00 mm

0.039 In

1.00 mm

40

1

40

1

No

No

Yes

-20°C to +80°C

Surface Mount

FFC/FPC

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.5A

125V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-52808-001

Product Specification

Sales Drawing

PS-52808-004, RPS-52808-039, RPS-52808-044,
RPS-52808-045, RPS-52808-047, RPS-52808-048,
RPS-52808-049
SD-52808-027, SD-52808-028

This document was generated on 06/05/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

F

E

D

C

B

A

F

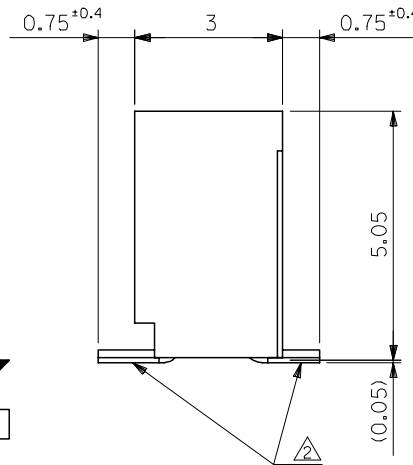
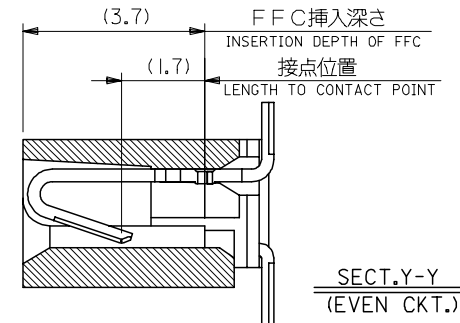
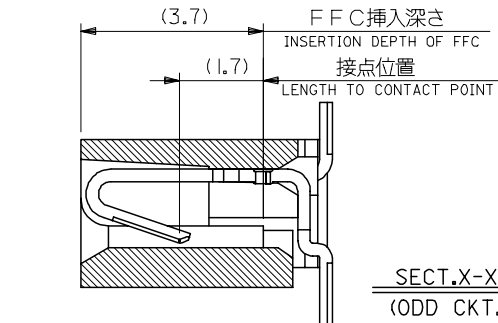
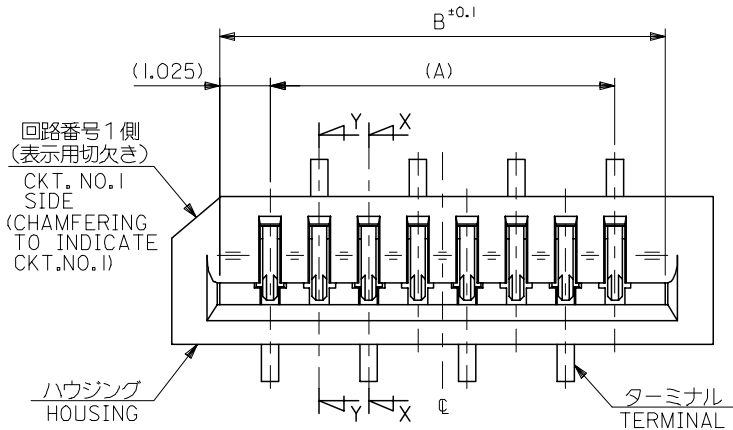
E

D

C

B

A



33	31.05	29	52808-3019	30
32	30.05	28	-2919	29
31	29.05	27	-2819	28
30	28.05	26	-2719	27
29	27.05	25	-2619	26
28	26.05	24	-2519	25
27	25.05	23	-2419	24
26	24.05	22	-2319	23
25	23.05	21	-2219	22
24	22.05	20	-2119	21
23	21.05	19	-2019	20
22	20.05	18	-1919	19
21	19.05	17	-1819	18
20	18.05	16	-1719	17
19	17.05	15	-1619	16
18	16.05	14	-1519	15
17	15.05	13	-1419	14
16	14.05	12	-1319	13
15	13.05	11	-1219	12
14	12.05	10	-1119	11
13	11.05	9	-1019	10
12	10.05	8	-0919	9
11	9.05	7	-0819	8
10	8.05	6	-0719	7
9	7.05	5	-0619	6
8	6.05	4	-0519	5
7	5.05	3	52808-0419	4

注記 NOTES:

1. 使用材料 MATERIAL

ハウジング: PPS, UL94V-0

HOUSING: PPS, UL94V-0

ターミナル: リン青銅 ($t=0.25$)

TERMINAL: PHOSPHOR BRONZE

メッキ: ニッケル下地鍍ビスマスメッキ

PLATING: TIN-BISMUTH OVER NICKEL

△基準面 [E] からのソルダーテールの半田付け面のズレ量は、上方向に0.1MAX. 下方向0.15MAX. とする。

MISALIGNMENT OF SOLDER TAIL FROM [E]: UPPER DIRECTION 0.1 MAX., LOWER DIRECTION 0.15 MAX.

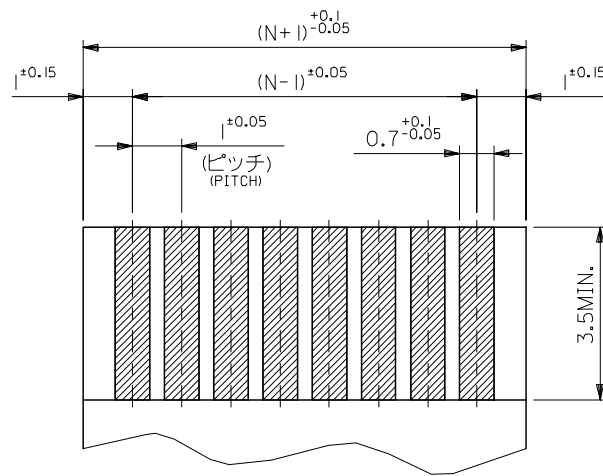
△偶数極に適用。

APPLY FOR EVEN CKT.

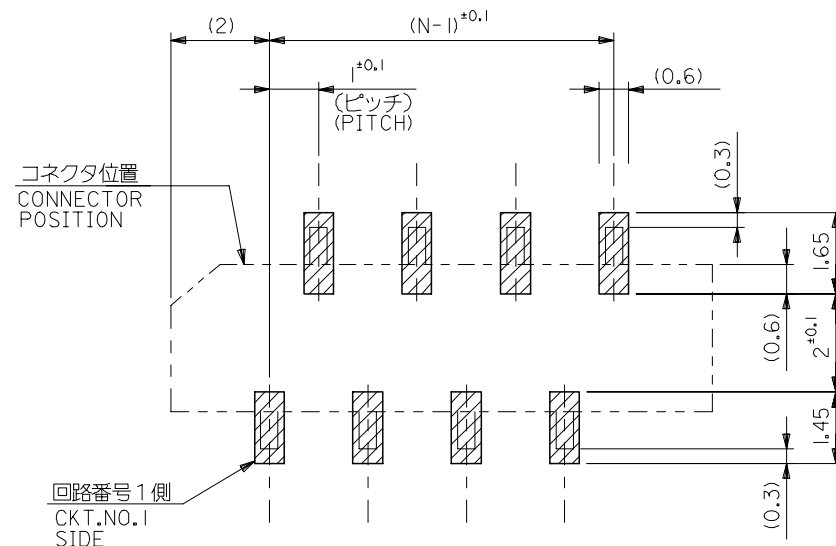
4. 本製品は52808-**-10の鉛フリー品である。

THIS PRODUCT IS LEAD FREE OF 52808-**-10

REVISED EC NO: J2006-1497 DRAWN: NABE1 CHKD: KTOYODA APPR: NUKITA	DESCRIPTION 2005/11/04 2005/11/07 2005/11/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY M. NABE1	DATE '04/02/19	TITLE 1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	CHECKED BY M. SASAO	DATE '04/02/19					
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE '04/02/19					
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52808-027		1 OF 1		
A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



(仕上がり厚さ0.3 $\pm$ 0.03)
THICKNESS
適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION.



参考基板レイアウト (マウント面)
RECOMMENDED P.C.BOARD
PATTERN DIMENSION. (REF.)
(MOUNTING AREA)

FPCについて:

打抜き方向は、導体側から補強板側を推奨いたします。

補強フィルム材質は、ポリイミドを推奨いたします。

接着剤は、熱硬化接着剤を推奨いたします。

ABOUT FPC:

RECOMMENDED PUNCHER DIRECTION: FROM CONDUCTOR SIDE TO
STIFFENER BOARD SIDE.

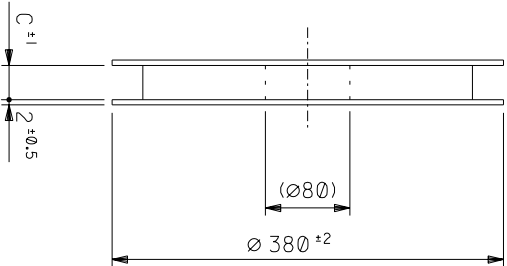
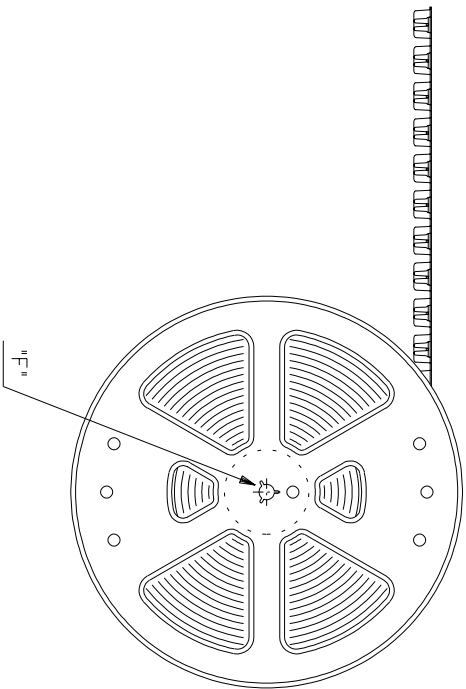
RECOMMENDED MATERIAL:

STIFFENER FILM: POLYIMIDE

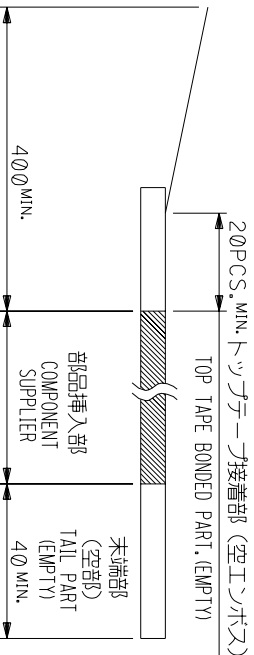
BONDING AGENT: THERMOSETTING BONDING AGENT

REVISED EC NO: J2006-1497 DRAWN:MABEL CHKD:KTOYODA APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M.NABEI	DATE '04/02/19	TITLE 1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-				
		10 OVER 30 UNDER	± 0.25	CHECKED BY M.SASAO	DATE '04/02/19					
		30 OVER	± 0.3	APPROVED BY M.SASAO	DATE '04/02/19	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52808-027		2 OF 2			
A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

引き出し方向
PULL OUT
DIRECTION



引き出し方向
PULL OUT
DIRECTION



NOTES

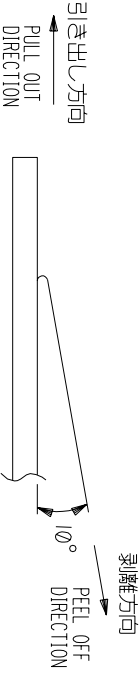
- 製品詳細寸法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
- 梱包数量: 1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
- リールテープ長さ LEAD TAPE LENGTH
20PCS. MIN. リールテープ接着部 (空エンボス)

4. トッパテープの剥離強度: 0.1 ~ 1.3N (10 ~ 130gf)
(剥離方向は下図参照)

尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)

PEELING OFF FORCE OF TOP TAPE : 0.1 ~ 1.3N (10 ~ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)

THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.

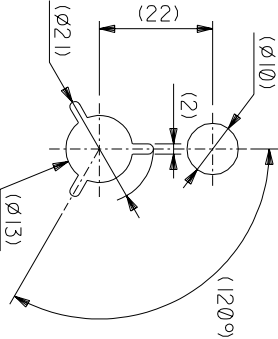


5. 材料 (MATERIAL)

キャリアテープ (CARRIER TAPE): ポリプロピレン (POLYPROPYLENE)
トッパテープ (TOP TAPE): PET, PE, PEF
リール (REEL): ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) RECYCLE MATERIAL CONTAINED

6. 本製品は 52808-**-90 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52808-**-90

DETAIL "F"



角度	ANGLE
30°以上	±3°
30°以下	±0.3
10°以下	±0.25
10°以下	±0.2

材料	注記参照	材料	注記参照
MATERIAL	SEE NOTES	MATERIAL	SEE NOTES
仕上げ	FINISH	仕上げ	FINISH
適用電線範囲	—	適用電線範囲	—
密着外径	—	密着外径	—
INS. RANGE	—	INS. RANGE	—
DRAWN BY	W/M/2/9	CHK'D BY	W/M/2/9
APP'D BY	M/NABEI	SCALE	M/SASAO
REVISION	RECORD	DR. CHK.	DATE
0	0	0	0

MOLEX-JAPAN CO., LTD.
日本モリス株式会社

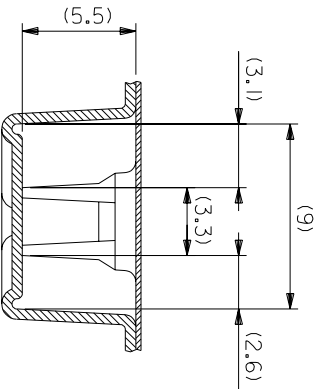
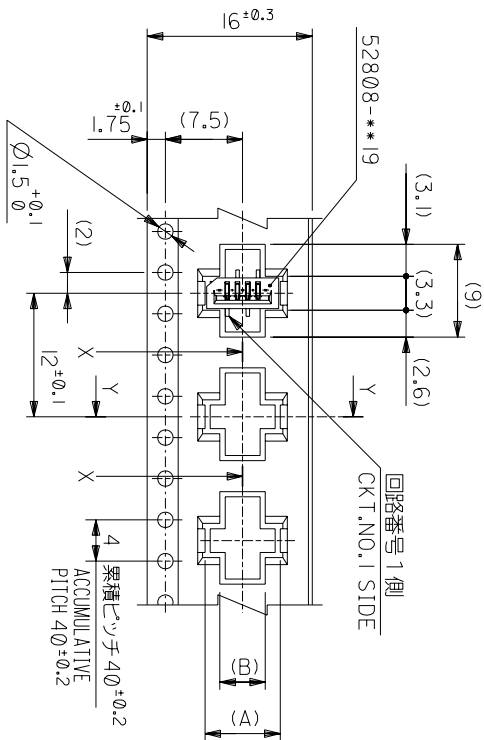
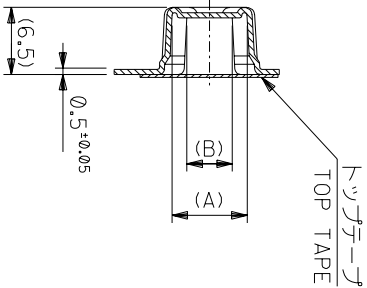
REVISE ONLY ON CAD SYSTEM

TITLE 名称

1.0 FFC Conn NON ZIF

SMT ST Embstd Pkg

-LEAD FREE-



SECT:X-X
(SCALE:4-1)

SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

52808-**-70	MODEL NO.	16	17.5	5.4	8.3	52808-0570	5
	CARRIER TAPE WIDTH	16	17.5	4.4	7.3	52808-0470	4
					(A)	MATERIAL NO.	極数 CKT.

材料
MATERIAL SHEET 1 OF 6 参照
REFER TO SHEET 1 OF 6

仕上げ
FINISH

適用電線範囲
WIRE RANGE

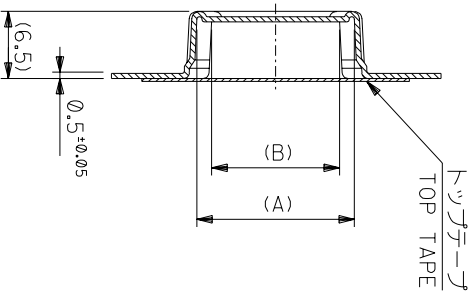
積層外径
INS. RANGE

DRAWN BY 04/02/19 CHK'D BY 04/02/19
M.NABEI M.SASAO

APPRO'D BY 04/02/19 M.SASAO

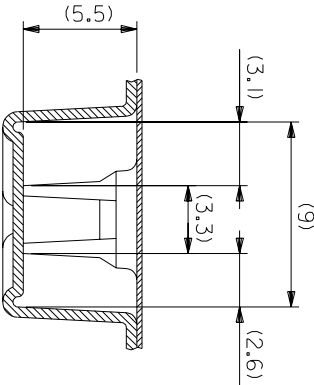
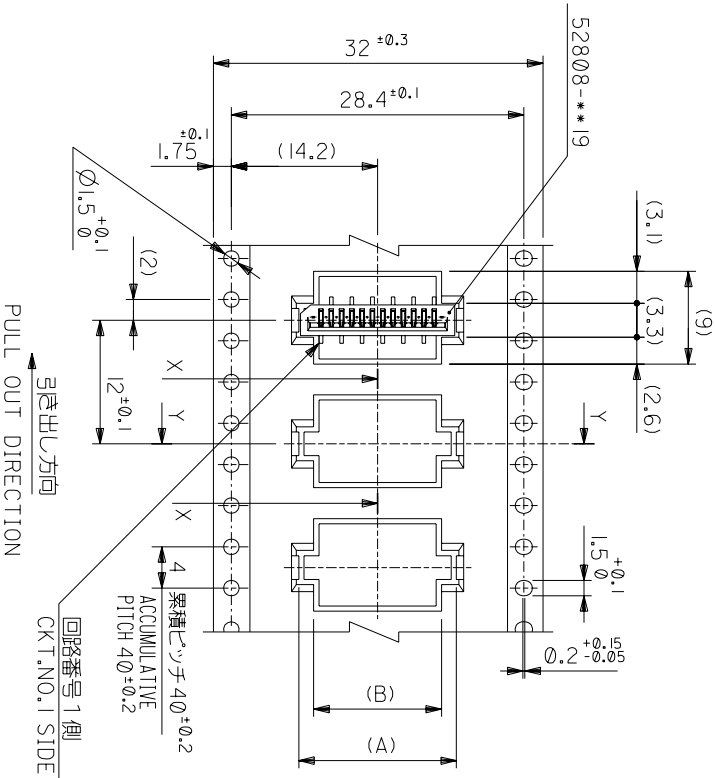
角度 ANGLE	±3°
30°以上	±0.2
10°以上	±0.25
10°以下	±0.2
10°以下	±0.2

記号	0	新規作成 (12004-2528)	変更内容	DR-CHK.	DATE
GENERAL TOLERANCES	LTR	REVISION RECORD			



SECT:Y-Y

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE



SECT:X-X
(SCALE:4-1)

MODEL NO.	CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	種数 CKT.
52808-**-70	32	33.5	15.4	18.3	52808-1570	15
			14.4	17.3	52808-1470	14
			13.4	16.3	52808-1370	13
			12.4	15.3	52808-1270	12
			11.4	14.3	52808-1170	11

材料
MATERIAL SHEET 10F 6 参照
REFER TO SHEET 10F 6

仕上げ
FINISH

適用電線範囲
WIRE RANGE

絶縁外径
INS. RANGE

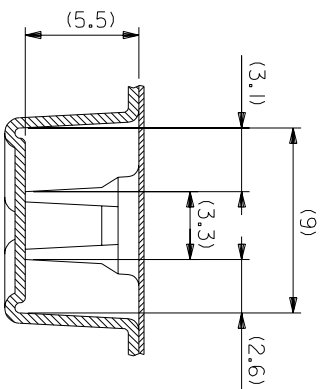
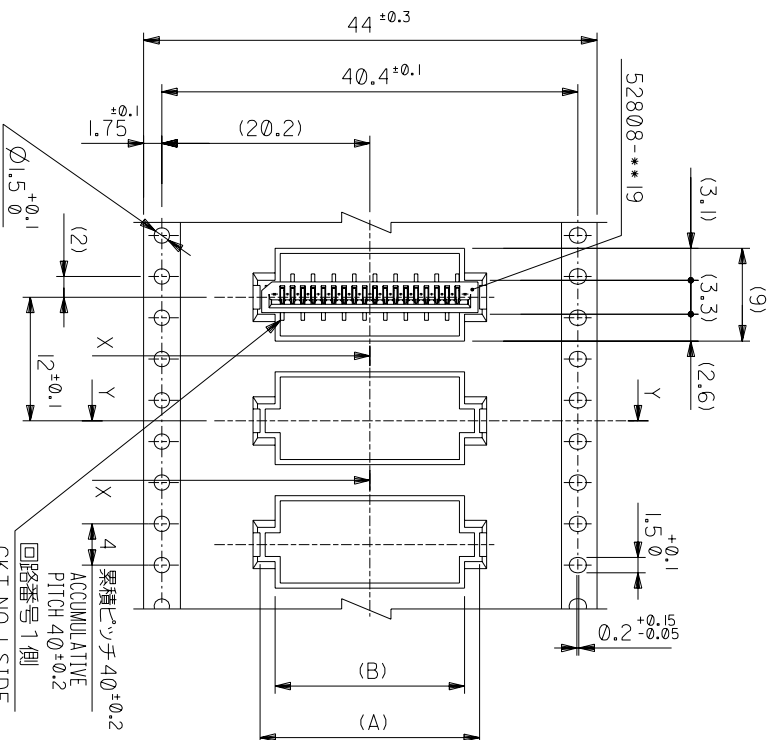
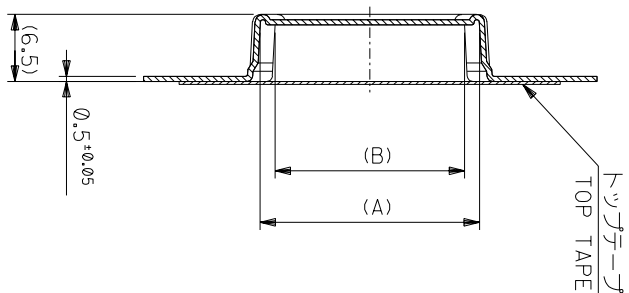
DRAWN BY 04/02/19 CHK'D BY 04/02/19
M.NABEI M.SASAO

APPRO'D BY 04/02/19 尺度
M.SASAO SCALE

DWG. NO. SD-52808-028 (SHEET 4 OF 6) REV 0

角度 ANGLE	30°以上 30° OVER	未達 10° UNDER	30° UNDER
角度 ANGLE	30°	10°	30°
公差 TOLERANCES	±0.2	±0.2	±0.2

記号 LTR	変更内容 REVISION RECORD	DR- CHK.	日付 DATE
0	新規作成 (12004-2528) RELEASE	M.N. M.S.	04/02/19



SECT:X-X
(SCALE:4-1)

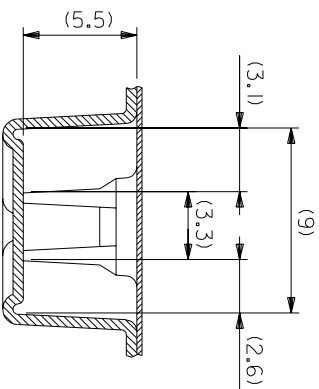
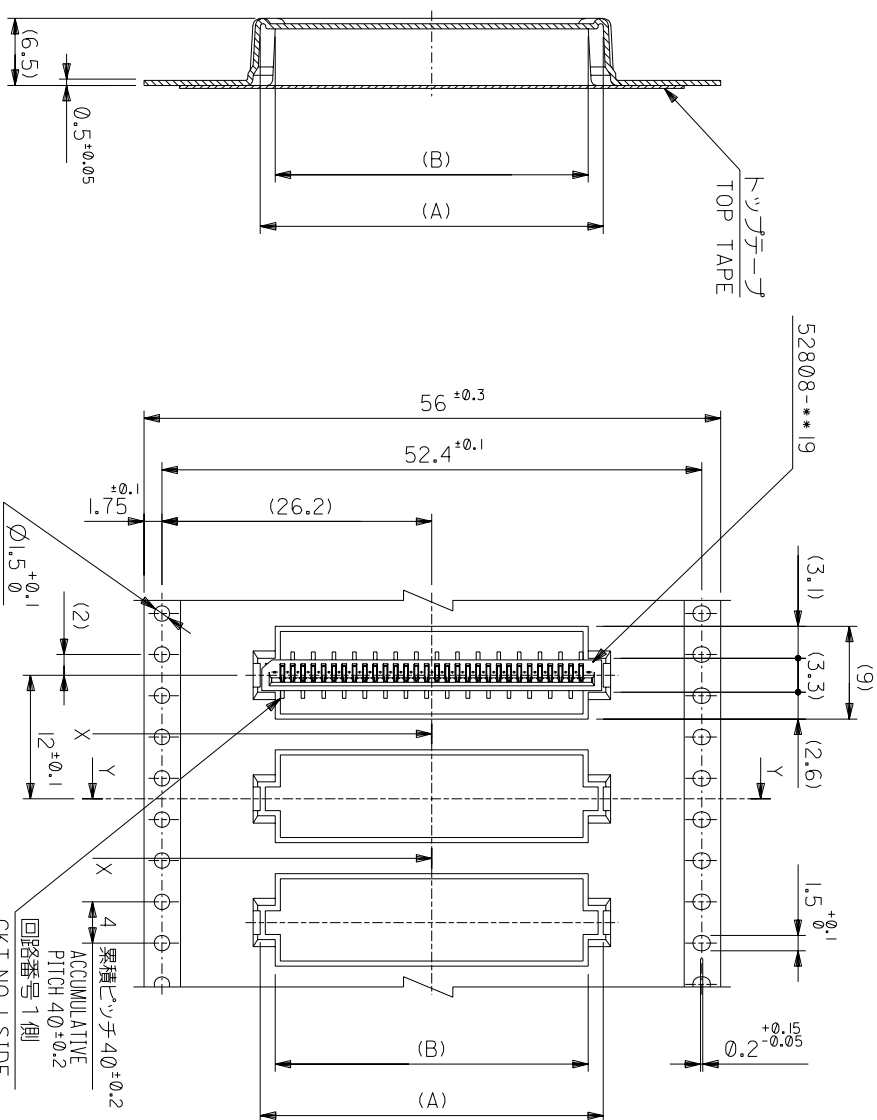
SECT:Y-Y

44mm幅キヤリテージ

ACTIVE 0±0.2 1側 1 SIDE	44	45.5	28.4	31.3	52808-2870	28
			27.4	30.3	52808-2770	27
			26.4	29.3	52808-2670	26
			25.4	28.3	52808-2570	25
			24.4	27.3	52808-2470	24
			23.4	26.3	52808-2370	23
			22.4	25.3	52808-2270	22
			21.4	24.3	52808-2170	21
			20.4	23.3	52808-2070	20
			19.4	22.3	52808-1970	19
			18.4	21.3	52808-1870	18
			17.4	20.3	52808-1770	17
			16.4	19.3	52808-1670	16
52808-**70						
MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C			種数 CKT.	

[illegible]

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX/JAPAN AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
 本図面は日本モレックス(株)の所有する情報を含むもので当社の許可なく複製を禁止する。
 EN-01C032MXJ

SECT:X-X
(SCALE:4-1)

SECT:Y-Y

56mm幅キヤリャタープ

56mm WIDTH CARRIER TAPE

	56	57.5	30.4	33.3	52808-3070	30
52808-**70			29.4	32.3	52808-2970	29
MODEL NO.	キヤリテ-テープ CARRIED TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 C.T.

角度 ANGLE	3°	適用電線範圍 WIRE RANGE	—#—	TITLE 名稱 I.Ø FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE-
30 以上 30 OVER	10.0	被覆外徑 INS. RANGE	—#—	
10 以上 30 以下 10 OVER 30 UNDER	10.25			
10 以下 10 UNDER	10.2	DRAWN BY 04/02/19 M. YANBEI	CHK'D BY 04/02/19 M. SASAO	
GENERAL TOLERANCES	0	新製/作成 (12/004-2520) REPLD		
一般公差 DIMENSIONS	0	變更內容 REVISION RECORD	DATE 04/02/19	DWG. NO. (SHEET 6 OF 6) REV SD-52808-028 0
CTR	DR.	CHK.		
LTR	REV	DATE		

引き出し方向
PULL OUT DIRECTION

4 累積ピッチ 40 $\pm$ 0.2
ACCUMULATIVE
PITCH 40 $\pm$ 0.2
回路番号 1 側
CKT.NO.1 SIDE

MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

TITLE 名称

1.0 FFC Conn NON ZIF
SMT ST Embstp Pkg
-LEAD FREE-

DWG. NO.	(SHEET 6 OF 6)	REV
SD-52808-028		0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
 本図面は日本モリックス(株)の所有する情報を含むもので当社の許可なく複製を禁止する。
 EN-01C0321MXJ-32